Horizontal Autoclave LX283HA

Email: info@labdex.com **website:** www.labdex.com

Description

Horizontal laboratory autoclave LX283HA is a double-door, rectangular, horizontal and triple-layer design fully automatic controlled autoclave that disinfects and sterilizes objects with saturated steam. It has a horizontal sliding door with an effective sterilization temperature of 150 °C. Having safety features (like auto door, automatic shutoff preventing current overload, overpressure and temperature protective device, etc.), automatic drainage control system and steam generator user can also set up new cycles using the user-defined cycle to modify the parameters of all preset cycles as needed.

Specifications

Capacity	1500 L
Inner chamber dimension (L × W × H)	680 × 1180 × 1850 mm
Design temperature	150 ℃
Design pressure	-0.1/0.3Mpa
Working temperature range	105 ℃ - 139 ℃
Working pressure range	0 - 0.25Mpa
Temperature control accuracy	≤±0.2 ℃
Temperature display accuracy	0.1 ℃
Sterilization time range	0-999min
Drying time range	0-999min
Vacuum rate	-97Kpa
Temperature equilibrium	≤±0.5 ℃
Safety valve open pressure	0.28Mpa
Steam Pressure and the consumption	0.3 - 0.6 MPa and 80 kg/cycle
Water Source Pressure and the consumption	0.15 - 0.3 MPa and 500 kg/cycle
Compressed air Pressure	0.4 - 0.7 MPa
Control	PLC + HMI + Printer
Interface	USB, Ethernet

Power supply	94 kW
Outer dimension (L × W × H)	1420 × 2000 × 2100 mm
Net weight	1850 kg
Packing dimension	1650 × 2250 × 2350 mm
Gross weight	2100 Kg

Features

- Front loading, 7-inch color touch screen display to monitor working status and parameters
- Motorized or sliding door with pneumatic sealing to prevent loss of sterile steam
- Built-in PLC +HMI+ printer
- Built-in standard steam generator
- Having 6 preset sterilization cycles, 4 User-defined cycles, and Testing cycles (B&D test and vacuum leakage test) and the user can create more new cycles if needed
- Contains an aluminum silicate insulating layer for the best insulation technique
- Equipped with an independent temperature monitoring system, the controller system has four-level password access, and a pneumatic angle pipeline system with removable filter plugs to prevent clogging
- Perfect fault information prompt and fault self-diagnosis function
- Door safety interlock feature: The door cannot be opened till the pressure inside the chamber doesn’t fall to 0
- Automatic power cut off with alarm with low water levels indication

Applications

- Used in medical, research, microbiological, pharmaceutical, food industry and clinical departments for sterilization and also to sterilize the waste before discarding.

Programmed Specifications

Programme	Temperature	Sterilization time	Drying time
Unwrapped instruments	134°C	6 mins	8 mins
Wrapped instruments	134°C	7 mins	15 mins
Textile program	134°C	7 mins	15 mins

Implant program	134°C	10 mins	15 mins
Liquid program	121°C	20 mins	No
Rubber	121°C	20 mins	15 mins
Hollow	134°C	6 mins	10 mins
Prions	134°C	18 mins	15 mins
PCD	134°C	3.5 mins	15 mins
Bowie-Dick test	134°C	3.5 mins	5 mins

Standard Accessories

- Loading cart x 1 pcs
- Transfer trolley x 2 pcs

Optional Accessories

- Remote monitoring system
- Noise reduction configuration
- Data logger
- 10-inch touch screen
- ERP system

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.
Email: info@labdex.com | Website: www.labdex.com